

## thin-legged wolf spider *Pardosa pauxilla*

Kingdom: Animalia

Phylum: Arthropoda

Class: Chelicerata

Order: Araneae

Family: Lycosidae

ILLINOIS STATUS common, native

### FEATURES

Like all wolf spiders, this species has four, large eyes in a trapezoid shape on the top of the carapace. The two median eyes in this group of four are the largest and face forward. The two smaller eyes in this group of four are set behind the two central eyes, facing to the side or backwards. In front of these four eyes is a row of four, smaller eyes. Females are 0.19 to 0.39 inch in total body length. Males are about 0.15 to 0.27 inch in total body length. The legs are very slender with long spines on the bottom section. The egg sac is gray or green.

### BEHAVIORS

Wolf spiders have good vision. They perform courtship rituals like waving the legs or palps with making sounds created by vibrating body parts against each other or a surface or object they are near. Wolf spiders generally do not build a web but use a dragline of silk for communication. The female builds an egg sac and attaches it to her spinnerets. She carries it with her as she hunts and may move into or out of sunlight to help control the temperature of the developing eggs. After the eggs hatch, the young climb onto her abdomen, and she carries them for a week or two while they complete their development. Wolf spiders hunt by waiting for prey to appear, then rushing out to capture it. If no prey appears for a while, the spider may move to a new location. Small prey items are bitten immediately. Larger prey may be enclosed in a basket made by the spider's legs and then bitten. The diet consists mainly of insects and other, smaller wolf spiders.

### HABITATS

Aquatic Habitats

none

Woodland Habitats

upland deciduous forests

Prairie and Edge Habitats

edge

© Illinois Department of Natural Resources. 2020. Biodiversity of Illinois.